



ACME
HARDESTY
OLEOCHEMICALS

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Material Safety Data Sheet

PRODUCT NAME: ISOPROPYL PALMITATE

IDENTIFICATION AND DISTRIBUTOR INFORMATION

TRADE NAME: ISOPROPYL PALMITATE
CAS #: 142-91-6
DATE: June 20, 2008

DISTRIBUTOR: ACME-HARDESTY COMPANY
ADDRESS: 450 Sentry Parkway
Blue Bell, PA 19422

TELEPHONE: (866) 226 – 3834
FAX: (215) 591 – 3620
EMERGENCY: CHEMTREC (800) 424-9300

COMPOSITION / INFORMATION ON INGREDIENTS

| <u>Ingredients</u> | <u>OSHA PEL</u> |
|------------------------------------|-----------------|
| Isopropyl Palmitate (CAS 142-91-6) | Not listed |

Ingredients not precisely identified are proprietary or non hazardous. Values are not product specifications

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

GENERAL: Limited toxicity data are available on this specific product; this health hazard assessment is based on the results of screening tests.

EMERGENCY OVERVIEW:

Appearance: Colorless liquid; Faint odor
MAY BE HARMFUL IF SWALLOWED

ROUTES OF EXPOSURE: Eye contact; Skin contact: Inhalation

SYMPTOMS OF OVEREXPOSURE (Acute AND Chronic):

EYE CONTACT: No irritation is likely to develop following contact with human eyes.
SKIN CONTACT: No irritation is likely to develop following contact with human skin. This product will probably not be absorbed through human skin.
INHALATION: No irritation is expected to be associated with inhalation of this product. No toxic effects are known to be associated with inhalation of this material.
INGESTION: this material not likely to cause irritation upon ingestion. This material may be harmful if swallowed.

ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Soak up material with absorbent and shovel into a chemical waster container. Wash residue from spill area with water containing detergent and flush to a sewer serviced by a permitted waste water treatment facility.

FIRST AID MEASURES

EYES: Immediately flush with plenty of water for at least 15 minutes. If redness, itching, or a burning sensation develops, have eyes examined and treated by medical personnel.

SKIN: Wash material off of the skin with plenty of soap and water. If redness, itching, or a burning sensation develops, get medical attention.

INGESTION: DO NOT INDUCE VOMITING. Give one or two glasses of water to drink and refer to medical personnel or take direction from either a physician or a poison control center. Never give anything by mouth to an unconscious person.

INHALATION: Remove victim to fresh air. If a cough or other respiratory symptoms develop, consult medical personnel.

FIRE & EXPLOSION HAZARD DATA

FLASH POINT (method): 356°F, 180°C (COC)

AUTOIGNITION TEMP: No data

FLAMMABLE LIMITS: No data.

EXTINGUISHING MEDIA: Water fog, alcohol foam, carbon dioxide, dry chemical, halogenated agents.

SPECIAL PROCEDURES: Self-contained breathing apparatus with full face piece and protective clothing.

FIRE/EXPLOSION HAZARDS: None known

EXPLOSION DATA:

| | |
|-----------------------------------|----------------|
| SENSITIVITY TO MECHANICAL IMPACT: | Not applicable |
| SENSITIVITY TO STATIC DISCHARGE: | Not applicable |

HANDLING AND STORAGE

STORAGE REQUIREMENTS:
50-90°F in original closed container.

PRECAUTIONS TO TAKE DURING HANDLING AND STORAGE:
Do not swallow. Normal chemical handling and storage.

EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:
No ACGIH TLV or OSHA PEL assigned. Minimize exposure in accordance with good hygiene practice.

ENGINEERING CONTROLS: Use ventilation adequate to maintain safe levels.

EYE PROTECTION: Safety glasses with side shields.

PROTECTIVE CLOTHING: Impervious gloves

RESPIRATORY PROTECTION: Not normally needed if controls are adequate

OTHER PROTECTIVE EQUIPMENT: Eyewash and safety shower easily accessible to the work area.

ECOLOGICAL INFORMATION

The ecological information listed below is based on the results of screening tests.

PERSISTENCE AND DEGRADATION: This product is readily biodegradable (according to the "Sealed Vessel Test")
TOXICITY: Not harmful to aquatic organisms.

PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|------------------------------|
| APPEARANCE & ODOR: | Colorless liquid, Faint odor |
| ODOR THRESHOLD: | No data |
| BOILING POINT: | 374°F, 190°C |
| MELTING POINT: | No data |
| VAPOR PRESSURE (mm Hg@ 20°C) : | <0.1 hPa |
| VAPOR DENSITY (air=1): | No data |
| SOLUBILITY IN WATER: | Insoluble |
| pH: | No data |
| SPECIFIC GRAVITY: | No data |
| CLOUD POINT: | <50°F, 10°C |
| % VOLATILE BY VOLUME: | No data |
| VISCOSITY (20°C): | 7.5 mPa.s |
| PARTITION COEFFICIENT: | >3 (estimated) |
| COEFFICIENT OF WATER/OIL DISTRIBUTION: | No data |
| FREEZING POINT: | No data |

STABILITY AND REACTIVITY

| | |
|---------------------------|--|
| STABILITY: | Stable under normal conditions. |
| INCOMPATIBILITY: | Oxidizing agents. |
| CONDITIONS TO AVOID: | None known |
| HAZARDOUS DECOMPOSITION: | Combustion products: Carbon dioxide, carbon monoxide |
| HAZARDOUS POLYMERIZATION: | Will not occur |

TOXICOLOGICAL INFORMATION

The toxicity data listed below are based on the results of screening tests on this specific product.

| | |
|---------------------------------------|---|
| EYE CONTACT: | This material is nonirritating in rabbit eye irritation studies; no irritation is likely to occur after human eye contact. |
| SKIN CONTACT: | This material is nonirritating in rabbit dermal irritation studies. No irritation is likely to develop following contact with human skin. This material was not a skin sensitizer in animal testing. The potential is low for developing sensitization following contact with human skin. |
| ACUTE ORAL TOXICITY: | This material is classified as "slightly toxic" by ingestion. |
| CARCINOGENICITY: | This material is not listed as a carcinogen by OSHA, IARC, and NTP. |
| MUTAGENICITY: | No available information |
| REPRODUCTIVE TOXICITY/TERATOGENICITY: | No available information. |
| TOXICOLOGICALLY SYNERGISTIC PRODUCTS: | None known. |

DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

Discarded product is not a hazardous waster under RCRA, 40 CFR 261

CONTAINER DISPOSAL:

Empty container retains product residue. Observe all hazard precautions. do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product. Remove all product residues from container and puncture or otherwise destroy empty container before disposal.

TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION: Not regulated

TRANSPORTATION OF DANGEROUS GOODS: Not regulated

REGULATORY INFORMATION

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710:

All ingredients are on the TSCA Chemical Substance Inventory

DSL (Canadian Domestic Substances List):

All ingredients are listed on the Canadian DSL

OSHA Hazard Communication Standard, 29 CFR 1910.1200, Hazard Summary:

Physical Hazards:None

Health Hazards: None

WHMIS Classification:

Noncontrolled (Nonhazardous)

CEROLA and SARA Regulations (40 CFR 355, 370, and 372):

This material contains the following chemicals subject to the reporting requirements of SARA 313:

NO SARA 313 CHEMICALS FOR THIS CHEMICAL

SARA 311/312 Hazard Categories:

Immediate: YES

Delayed: NO

Fire: NO

Pressure: NO

Reactivity: NO

State Regulations: None

OTHER INFORMATION

We assigned NFPA ratings and HMIS ratings to this product based on the hazards of its ingredient(s). Because the customer is most aware of the application of the product, he must ensure that the proper personal protective equipment is provided with information contained in the product MSDS.

HMIS Information: Health: 1 Flammability: 1 Reactivity: 0

NFPA Information: Health: 1 Flammability: 1 Reactivity: 0

The data herein are based on our current knowledge and believed to be reliable. Acme-Hardesty Co., provides this information without any representation or warranty, expressed or implied, regarding its accuracy or correctness.

Users must make their own determination that handling, storage and use of the product in the anticipated manner is safe and appropriate. Because these actions of the user are out of our control, and may be beyond our knowledge, we do not assume responsibility and expressly disclaim liability for loss, damage, expense or any other claim arising out of or in any way connected with the handling, storage, use or disposal of the product.

Disposal of containers must comply with applicable federal, state and local laws and regulations. Empty containers should never be given to individuals.